



AF/37382

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#9/c  
NE

Applicant : Carlyle et al.

Serial No.: 09/186,810

Filed : November 5, 1998

For : PROSTHESIS WITH ASSOCIATED  
GROWTH FACTORS

Docket No.: S16.12-0052

Group Art Unit: 3738

Examiner: P. Prebilic

AMENDMENT AFTER FINAL

Box AF

Assistant Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

16 DAY OF January, 2001

Usah C Goswami  
PATENT AGENT

Sir:

In response to the Office Action mailed on November  
14, 2000, please enter the following amendments and consider the  
following remarks.

IN THE CLAIMS

Please amend claim 1 and 3 as follows:

1. (Thrice Amended) A prosthesis comprising a substrate  
and a polypeptide growth factor associated with the substrate by  
covalent bonding using crosslinking agents, [or noncovalent  
bonding characteristic of] antibody-antigen associations, specific  
binding protein-receptor associations [and] or enzyme-substrate  
associations, wherein the crosslinking agents comprise at least  
two aldehyde functional groups that are transformed into other  
functional groups linking the crosslinking agent with the  
polypeptide growth factor and the substrate, the polypeptide  
growth factor being effective to stimulate association of viable  
cells with the substrate.

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